

Title (en)

MANUFACTURE OF STEEL FROM IRON ORES.

Title (de)

HERSTELLUNG VON STAHL AUS EISENERZEN.

Title (fr)

FABRICATION D'ACIER A PARTIR DE MINERAIS DE FER.

Publication

EP 0026780 A1 19810415 (EN)

Application

EP 80900746 A 19801008

Priority

US 2441079 A 19790327

Abstract (en)

[origin: WO8002034A1] The production of relatively low phosphorous, semifinished steel from blended presized granules of high phosphorous iron ore and limestone, directly and selectively reducing the iron oxide to sponge iron and calcined lime with the current of hot reducing gases in a shaft furnace (15) charging heated granules directly to a melting furnace (F) to obtain semifinished steel and slagging off phosphorous and other undesirable components and thereafter refining the semifinished steel in a conventional electric furnace.

Abstract (fr)

La production d'acier semi fini a teneur en phosphore relativement faible a partir de grenailles precalibrees melangees de minerai de fer a haute teneur en phosphore et de pierre a chaux, consiste a reduire directement et selectivement l'oxyde de fer pour eponger le fer et la chaux calcinee avec le courant de gaz chaud de reduction dans un four a cuve (15), a charger les grenailles chauffees directement dans un four de fusion (F) pour obtenir de l'acier semi fini et a effectuer le decrassage de composants phosphoreux et autres composants indesirables puis a raffiner l'acier semi fini dans un four electrique conventionnel.

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